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SEQUENCE LISTING

<110> Adams, Sean H
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Chui, Clarissa J

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<150> PCT/US 02/01783

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<150> US 60/263,362

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 35 40 45

Met Ser Gln Leu Val Leu Pro Cys His Thr Asn Gln Arg Gly Glu Leu
 50 55 60

Ser Val Gly Gln Leu Leu Lys Trp Ile Asp Thr Thr Ala Cys Leu Ser
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Ala Glu Arg His Ala Gly Cys Pro Cys Val Thr Ala Ser Met Asp Asp
 85 90 95

Ile Tyr Phe Glu His Thr Ile Ser Val Gly Gln Val Val Asn Ile Lys
 100 105 110

Ala Lys Val Asn Arg Ala Phe Asn Ser Ser Met Glu Val Gly Ile Gln
 115 120 125

Val Ala Ser Glu Asp Leu Cys Ser Glu Lys Gln Trp Asn Val Cys Lys
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Ala Leu Ala Thr Phe Val Ala Arg Arg Glu Ile Thr Lys Val Lys Leu
 145 150 155 160

Lys Gln Ile Thr Pro Arg Thr Glu Glu Glu Lys Met Glu His Ser Val
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Ala Ala Glu Arg Arg Arg Met Arg Leu Val Tyr Ala Asp Thr Ile Lys
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Asp Leu Leu Ala Asn Cys Ala Ile Gln Gly Asp Leu Glu Ser Arg Asp
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Cys Ser Arg Met Val Pro Ala Glu Lys Thr Arg Val Glu Ser Val Glu
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Leu Val Leu Pro Pro His Ala Asn His Gln Gly Asn Thr Phe Gly Gly
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Gln Ile Met Ala Trp Met Glu Asn Val Ala Thr Ile Ala Ala Ser Arg
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Leu Cys Arg Ala His Pro Thr Leu Lys Ala Ile Glu Met Phe His Phe
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Arg Gly Pro Ser Gln Val Gly Asp Arg Leu Val Leu Lys Ala Ile Val
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Asn Asn Ala Phe Lys His Ser Met Glu Val Gly Val Cys Val Glu Ala
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Tyr Arg Gln Glu Ala Glu Thr His Arg Arg His Ile Asn Ser Ala Phe
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Thr Leu Glu Asp Asp Lys Phe Leu Ser Phe His Met Glu Met Val Val				
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Arg Pro Glu Trp Asp Lys His Tyr Arg Ser Val Glu Leu Val Gln Gln				
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Tyr Ser Trp Gly Leu Glu Ser Arg Ser Lys Gly Arg Arg Ser Asp Gly				
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Trp Asn Gly Lys Leu Ala Gly Gly His Leu Ser Thr Leu Lys Ala Ile				
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Ser Ala Met Ala Asp Gly Glu Gly Tyr Arg Asn Pro Thr Glu Val Gln
35 40 45

Met Ser Gln Leu Val Leu Pro Cys His Thr Asn Gln Arg Gly Glu Leu
50 55 60

Ser Val Gly Gln Leu Leu Lys Trp Ile Asp Thr Thr Ala Cys Leu Ser
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Ala Glu Arg His Ala Gly Cys Pro Cys Val Thr Ala Ser Met Asp Asp
85 90 95

Ile Tyr Phe Glu His Thr Ile Ser Val Gly Gln Val Val Asn Ile Lys
100 105 110

Ala Lys Val Asn Arg Ala Phe Asn Ser Ser Met Glu Val Gly Ile Gln
115 120 125

Val Ala Ser Glu Asp Leu Cys Ser Glu Lys Gln Trp Asn Val Cys Lys
130 135 140

Ala Leu Ala Thr Phe Val Ala Arg Arg Glu Ile Thr Lys Val Lys Leu
145 150 155 160

Lys Gln Ile Thr Pro Arg Thr Glu Glu Glu Lys Met Glu His Ser Val
165 170 175

Ala Ala Glu Arg Arg Arg Met Arg Leu Val Tyr Ala Asp Thr Ile Lys
180 185 190

Asp Leu Leu Ala Asn Cys Ala Ile Gln Gly Asp Leu Glu Ser Arg Asp
195 200 205

Cys Ser Arg Met Val Pro Ala Glu Lys Thr Arg Val Glu Ser Val Glu
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 Leu Val Leu Pro Pro His Ala Asn His Gln Gly Asn Thr Phe Gly Gly
 225 230 235 240
 Gln Ile Met Ala Trp Met Glu Asn Val Ala Thr Ile Ala Ala Ser Arg
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 Leu Cys Arg Ala His Pro Thr Leu Lys Ala Ile Glu Met Phe His Phe
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 Arg Gly Pro Ser Gln Val Gly Asp Arg Leu Val Leu Lys Ala Ile Val
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 Asn Asn Ala Phe Lys His Ser Met Glu Val Gly Val Cys Val Glu Ala
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 Tyr Arg Gln Glu Ala Glu Thr His Arg Arg His Ile Asn Ser Ala Phe
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 Met Thr Phe Val Val Leu Asp Ala Asp Asp Gln Pro Gln Leu Leu Pro
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 Trp Ile Arg Pro Gln Pro Gly Asp Gly Glu Arg Arg Tyr Arg Glu Ala
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 Ser Ala Arg Lys Lys Ile Arg Leu Asp Arg Lys Tyr Ile Val Ser Cys
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 His Val Asp Ala Ala Gln Ala Phe Leu Leu Leu Ser Asp Leu Arg Gln
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 Arg Pro Glu Trp Asp Lys His Tyr Arg Ser Val Glu Leu Val Gln Gln

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Val Asp Glu Asp Asp Ala Ile Tyr His Val Thr Ser Pro Ala Leu Gly		
465	470	475 480
Gly His Thr Lys Pro Gln Asp Phe Val Ile Leu Ala Ser Arg Arg Lys		
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Pro Cys Asp Asn Gly Asp Pro Tyr Val Ile Ala Leu Arg Ser Val Thr		
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Leu Pro Thr His Arg Glu Thr Pro Glu Tyr Arg Arg Gly Glu Thr Leu		
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Cys Ser Gly Phe Cys Leu Trp Arg Glu Gly Asp Gln Leu Thr Lys Val		
	530	535 540
Ser Tyr Tyr Asn Gln Ala Thr Pro Gly Val Leu Asn Tyr Val Thr Thr		
	545	550 555 560
Asn Val Ala Gly Leu Ser Ser Glu Phe Tyr Thr Thr Phe Lys Ala Cys		
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Thr Leu

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<212> PRT
<213> Mus musculus

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Asp Pro Pro Thr Met Ala Glu Gly Glu Gly Tyr Arg Asn Pro Thr Glu
35 40 45

Val Gln Met Ser Gln Leu Val Leu Pro Cys His Thr Asn His Arg Gly
50 55 60

Glu Leu Ser Ile Gly Gln Leu Leu Lys Trp Ile Asp Thr Thr Ala Cys
65 70 75 80

Leu Ser Ala Glu Arg His Ala Gly Cys Pro Cys Val Thr Ala Ser Met
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Asp Asp Ile Tyr Phe Asp His Thr Ile Ser Val Gly Gln Val Val Asn
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Ile Lys Ala Lys Val Asn Arg Ala Phe Asn Ser Ser Met Glu Val Gly
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Ile Gln Val Val Ser Glu Asp Leu Cys Ser Glu Lys Gln Trp Ser Val
130 135 140

Cys Lys Ala Leu Ala Thr Phe Val Ala His Arg Glu Leu Ser Lys Val
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Lys Leu Lys Gln Val Ile Pro Leu Thr Glu Glu Glu Lys Thr Glu His
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Gly Val Ala Ala Glu Arg Arg Arg Met Arg Leu Val Tyr Ala Asp Thr
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Ile Lys Asp Leu Leu Thr His Cys Val Ile Gln Asp Asp Leu Asp Lys
 195 200 205

Asp Cys Ser Asn Met Val Pro Ala Glu Lys Thr Arg Val Glu Ser Val
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Glu Leu Val Leu Pro Pro His Ala Asn His Gln Gly Asn Thr Phe Gly
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Gly Gln Ile Met Ala Trp Met Glu Asn Val Ala Thr Ile Ala Ala Ser
 245 250 255

Arg Leu Cys His Ala His Pro Thr Leu Lys Ala Ile Glu Met Phe His
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Phe Arg Gly Pro Ser Gln Val Gly Asp Arg Leu Val Leu Lys Ala Ile
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Val Asn Asn Ala Phe Lys His Ser Met Glu Val Gly Val Cys Val Glu
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Ala Tyr Arg Gln Glu Ala Glu Thr Gln Arg Arg His Ile Asn Ser Ala
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Phe Met Thr Phe Val Val Leu Asp Lys Asp Asp Gln Pro Gln Lys Leu
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Thr Leu

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19

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